



FY 1999 Technology Deployment in Environmental Management

Engineering Tomorrow's Solutions Today

**Site Technology Coordination Group / Technology Deployment Center
U.S. Department of Energy, Idaho Operations Office**



NWCF Offgas Sampling

Problem: *Measurement of New Waste Calcining Facility (NWCF) off-gas emissions have been determined necessary to verify assumptions used in site-specific risk assessment calculations.*

Baseline Technology: *Effective off-gas sampling was not possible due to the highly acidic nature of the off-gas.*

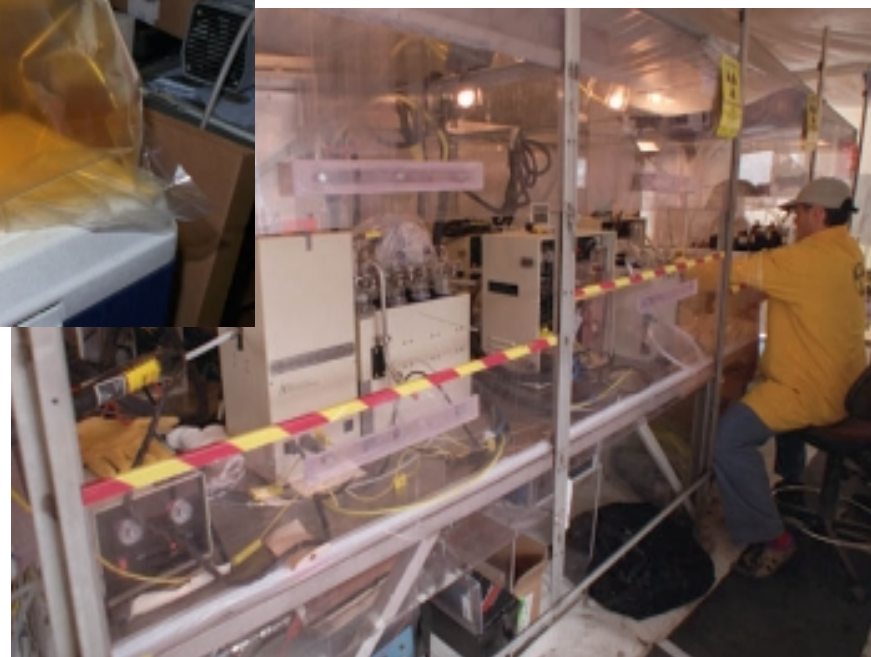
Innovative Technology: *Effective off-gas sampling is now possible by the INEEL-developed improvement to the existing EPA sampling methodology.*

Comparison: *Conventional sampling methods do not work as high NO_x levels have been found to interfere with the standard EPA volatile and semivolatile organic compound sampling and analysis procedures.*

Benefits: *Effective off-gas sampling is needed to continue operation of the NWCF to treat legacy High Level radioactive waste.*

TMS#: 2381

NWCF Offgas Sampling



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